

Effect of Non Ionized Electromagnetic Fields of AC high voltage overhead lines on the human health¹

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Abstract

Due to the wide expansion of the High Voltage transmission lines, a lot of queries were raised on their biological and environmental effects .

Many researches and international studies were performed in the second half of the last century with regards to the effects of Electromagnetic fields (EMF) on human being system . Most of these works were done on either animals or people not residing underneath high voltage lines, and still a large number of those researches were not accompanied with field measurements for EMF values.

Since we have this unique special cases in our environment , represented in existing crowded homes filled with inhabitants underneath such lines. This led us to the suggestion of achieving such a study field wise and laboratory to evaluate the effect of those fields on inhabitants .

1. Carrying out accurate measurements for longitudinal and crosswise underneath high voltage lines (230 kV) in those areas and surrounding.

2. Statistical Medical questionnaire for those residing underneath high voltage lines directly and for those away in the same area both on the other environmental conditions.

¹ For the paper in Arabic see pages (181-200).

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